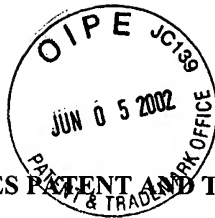


Docket No. 220881US2/sdc



#5  
IDS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Takahiro KAWAGUCHI

SERIAL NO: 10/098,572

GAU:

FILED: March 18, 2002

EXAMINER:

FOR: WIRE DOT PRINTER HEAD

**INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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DOCKET NO: 220881US2

Sheet 1 of 1

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Group Art Unit:

STATEMENT OF RELEVANCY

**Reference AO (JP 2001-30523) on Form 1449:**

This reference discloses a fundamental configuration of an impact dot head. However, this reference does not provide any technical concept that a magnetic flux path is applied, an outer circumferential part of a yoke is provided with a recess and a part of an armature is entered into it.

A yoke is provided having a cylindrical wall installed inside a core, a supporting member having a column-like protrusion fitted to the cylindrical wall of the yoke and capable of being separated from the yoke, and an armature stopper fixed to an end surface of the column-like protrusion of the supporting member.

**Reference AM (JP 5-238019) on Form 1449:**

This reference discloses an outer circumferential part of an iron core is provided with a semi-circular notch and an armature is rotatably supported.

Two magnetic pole surfaces are present in one magnetic path loop, an angle formed by the two magnetic pole surfaces is set in a range from 80° to 120°, and armature having a surface to be attracted in opposition to each of the magnetic pole surfaces is arranged between the two magnetic pole surfaces and a turning support point for the armature is arranged near one magnetic pole surface and at the outer-most circumference of the magnetic path loop.